



RESEARCH

PRODUCTS

INSIDE DELPHI

[SEARCH](#) [REFINED](#) [CROSS EDITIONS](#)

My Account | Products

Search: Quick/Number Boolean Advanced

## The Delphion Integrated View

Get Now:  PDF | More choices...Tools: Add to Work File:  Create new Wo

View: INPADOC

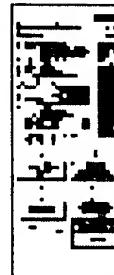
| Jump to: Top

 Go to: Derwent... Email

>Title: **JP2003017030A2: SEPARATOR FOR SEALED LEAD-ACID BATTER  
SEALED LEAD- ACID BATTERY**

Country: JP Japan

Kind: A2 Document Laid open to Public inspection

Inventor: SUGIYAMA MASASHI;  
MITA YOSHINORI;  
NAGAKUBO SHUHEI;Assignee: NIPPON SHEET GLASS CO LTD  
[News, Profiles, Stocks and More about this company](#)

Published / Filed: 2003-01-17 / 2001-06-28

Application Number: JP2001000196857

IPC Code: H01M 2/16; H01M 10/06;

Priority Number: 2001-06-28 JP2001000196857

Abstract:

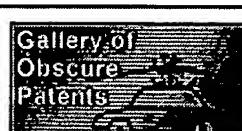
**PROBLEM TO BE SOLVED:** To provide a separator for a sealed lead-acid battery capable of having a large rate of change in thickness under pressure, being manufactured to have small difference in function and good workability, having good restorableness in thickness when the pressure is reduced from a pressurized state so that the separator closely follows expansion and contraction of an electrode plate to thereby produce a battery of long life and high capacity.

**SOLUTION:** The separator for the sealed lead-acid battery mainly comprises glass fibers including crimped fibers 1, 2, 3 that are at least partially bent in longitudinal direction. The crimped fibers themselves have resilience, high repulsive force in a pressurized/reduced state, quickly change in thickness responding to the pressure and return the thickness with a high recovery when the pressure is reduced.

COPYRIGHT: (C)2003,JPO

Family: None

Other Abstract Info: CHEMABS 138(07)092826T CHEMABS 138(07)092826T DERABS G2003-171580 DERABS G2003-171580

[this for the Gallery...](#)[Nominate](#)